CCGTTTTTCTCAGGGGACGTTGAAATTATTTTTGTAACGGCAGTCGGGAGAGGACGGGGCGTGCCCCGCGTGCGCCGCGTCGTCCTCCCCGCGCCTCCTCCACAGCTCGCTGGCTC

CCGCGGGAAAGGCGTCATGCCCCCCAAAACCCCCCGAAAAACGGCCCCCACCCCGCCGCCTGCCCGCCGCGAAACCCCCGGCACCGCCGCGCCGCCGCCCCTCGCGGAGGAGGACCCAGAG 120
M P P K T P R K T A A T A A A A A A A E P P A P P P P P P P E E D P E (34)

GACAGCCGGCCCCGAGGACCTGCCTCTCGTCAGGCTTGAGTTTGAAGAAACAGAAGAACCTGATTTTACTGCATTATGTCAGAAATTAAAGATACCAGATCATGTCAGAGAGAGAGCT 240
D S G P E D L P L V R L E F E E T E E P D F T A L C Q K L K I P D H V R E R A (74)

TTAACTTGGGAGAAAGTTTCATCTGTGGATGGGAGTATTGGGAGGTTATATTCAAAAGAAAAAGGAACTGTGGGGAATCTGTATCTTTATTGCAGCAGTTGACCTAGATGAGATGTCG 360
L T W E K V S S V D G V L G G Y I Q K K K E L W G I C I F I A A V D L D E M S (114)

ACTTTTACTCAGCTACACAAAACATAGAAATCAGTGTCCATAAATTCTTTAACTTACTAAAAGAAATTGATACCAGTACCAAAGTTGATAATGCTATGTCAAGACTGTTGAAGAAG 480
T F T E L Q K N I E I S V H K F F N L L K E I D T S T K V D N A M S R L L K K (154)

GATGTATTGTTTGCACTCTTCAGCAAATTGGAAAGGACATGTGAACTTATATATTTGACACAACCCAGCAGTTCGATATCTACTGAAATAAATTCTGCATTGGTGCTAAAAGTTTCT 600
D V L F A L F S K L E R T C E L I Y L T Q P S S S I S T E I N S A L V L K V S (194)

ATCACATTTTTATTAGCTAAAGGGGAAGTATTACAAATGGAAGATGATCTGGTGATTTCATTTCAGTTAATGCTATGTGTCCTTGACTATTTTATTAAACTCTCACCTCCCATGTTG 720
I T F L L A K G E V L Q M E D D L V I S F Q L M C V L D Y F I K L S P P M L (234)

AAAGAACCATATAAAACAGCTGTTATACCCATTAATGGTTCACCTCGAACACCCAGCCGAGGTCAGAACAGGAGTGCCACGGATAGCCAAACAACTAGAAAATGATACAAGAATTATT 840
K E P Y K T A V I P I N G S P R T P R R G Q M R S A R I A K Q L E N D T R I I (234)

GTTCTCTGTAAAGAACATAATGTAATATAGATGAGGTGAAAAATGTTTATTTCAAAAATTTTATACCTTTATGAATTCTCTTGGACTTGTAACATCTAATGGACTTCCAGAGGTT 960
V L C K E H N E C N I D E V K N V Y F K N F I P F M N S L G L V T S N G L P E V (314)

ATCTTTCTAAACCATACCGAAGAAATTTATCTTAAAATAAAGATCTACATGCCAACATTATTTTTGGATCATGATAAACTCTTCAGACTGATTCTATAGACAGTTTTGAAACACAG 1080
N L S K R Y E E I Y L K N K D L D A R L F L D H D K T L Q T D S I D S F E T Q (354)

CACCACCGAAAAGTAACCTTGATCAAGAGGTGAATGTAATTCCGCCACACACTCCAGTTAGGACTGTTATGAACACTATCCAACAATAAAGATGATTTAAATCAGCAAGTGAT 1200
T P R K S H L D E E V N V I P H T P V R T V M N T I Q Q L M M I L H I S A S D (354)

CTTCAGAAATCTGATTTCTATTTTAACAACTGCCACAGTGAATCCAAAAGAAAGTATACTGAAAGCTGAAGCATATCCAGATACATCTTTTAAAGAAAATTGCTAAAGCTGTG 1320
R S E M L I S T Y F M N C T V L P K E S I L K R V K D I G Y I F K E K F A K A V (394)

ACGGTTGTGTCCAAATTGCATCACAGCCGAACAAACTTGCAGTTCGCCTTGTATTACCGGAGTAATGGAATCCATGGTTAAATCAGAAGAAGAACCGATTATCCATTCAAAATTTTAGC 1440
Q G C V E I G S Q R Y K L G V R L Y Y R V M N E S M L K S E E E R L S I Q N F S (434)

TTTTGAATGACAACATTTTTCATATGTCTTTATTGGCCGTGCCGCTCTTGAGGTTGTAATGGCCACATATAGCAGAAGTACATCTCAGATCTTGATTCTGGAACAGATTTGTCTTTC 1560
L L L M K D N I F H M S L L A C A L E V V H A T Y S R S T S Q H L D S G T D L S F (474)

GGATTCTGAATGTGCTTAATTTAAAAGCCTTTGATTTTTACAAAGTGATCGAAAGTTTTATCAAAGCAGAAGGCAACTTGACAAGAGAAATGATAAAACATTTAGAACGATGTCAA 1680
V I L N V L M K L K A F D F F Y K V I E S F I K A E G N L T R E M I K H L E R C E (514)

CAATCATGGAATCCCTTGCATGGCTCTCAGATTCACCTTATTTGATCTTATTAAACAATCAAAGGACACCAGAAGGACCAACTGATCACCTTGAATCTGCTTGTCCTCTTAATCTT 1800
R I M E S L A W L S D S P L F D L I K Q S K D R E G P T D H L E S A C P L N L (554)

TCCAGAATAATCACACTGCAGCAGATATGTATCTTTCTCTGTAAGATCTCCAAAGAAAAAGGTTCAACTACCGCGTGTAAATTCTACTGCAAATGCAGAGACACAAGCAACCTCA 1920
L Q N N H T A A D M Y L S P V R R S P K K K G S T T R V N S T A N A E T Q A T S (594)

TCCAGACCCAGAAGCCATTGAAATCTACCTCTCTTTCACTGTTTATAAAAAAGTGTATCGGCTAGCCTATCTCGGGCTAAATACACTTTGTGAACGCCTTCTGTCTGAGCACCA 2040
F Q T Q K P L K S T S L S L F Y K K V Y R L A Y L R (634)

TAGAACATATCATCTGGACCCTTTTCCAGCACACCCTGCAGAATGAGTATGAACTCATGAGAGACAGGCATTTGGACAAAATTATGATGTGTTCAGTATGTGGCATATGGAAGTC 2160
L E M I I V T L F Q N T L C E R L S E R (676)

ATATAGACCTTAAATTCAAAATGATTGTAACAGCATACAAGGATCTTCCTCATGCTGTTCAGGAGACATTCAAACGTGTTTTGATCAAAGAAGAGGAGTATGATTCTATTATAGTA 2280
N I D L K F K I I V T A Y K D L P M A V Q E T F K R V L I K E E E Y D S I I V (714)

ATAACTCGGTCTTCATGAGAGACTGAAAACAAATATTTTGCAGTATGCTTCCACCAGGCCCCTACCTTGTCACCAATACCTCACATTCCTCGAAGCCCTTACAAGTTTCCTAGT 2400
Y N S V F M Q R L K T N I L Q Y A S I R P P P T L S P I P H I P R S P T K F P S (754)

CCTTACGGATTCCTGGAGGGAACATCTATATTTCACCCCTGAGAGTCGCATATAAAATTTCAGAAGGTCTGCCACCACCAAAAATGACTCCAACACAAGAATCTTAGTATCA 2520
P I L R I P G G N I Y I S P L K S P Y K I S E G L P T P T K M T P R S R I L V S (794)

TGGATCATTCGGGGACTTCTGCAGAAGTTCCAGAAATAAATCAGATGGTATGTAACAGCCACCCTGTGCTCAAAGAAGTGCTGAAGGAAGCAACCTTCCTAAACCACTGAAAAAA 2640
G E S F G T S E K F Q R N Q H V E N S D R V L K R S A E G S N P P K P L K K (834)

GCTTTGATATTGAAGGATCAGATGAAGCAGATGGCAGTAAGAACATCTCCAGGAGAGTCCAAATTCAGCAGAAACTGGCAGAATGACTTCTACTCGAACACGAATGCAAAGCAG 2760
R F D I E G S D E A D G S K H L P G E S K F Q Q E L A E H T S T R T R M Q K Q (914)

TGAATGATAGCCATGGATACCTCAAGAAAGAGAAATGAGGATCTCAGGACCTTGGTGGACACTGTGTACACCTCTGGATTCATTGTCTCTCACAGATGTGACTGTATGACTCtc 4757
L H Q S H Q T S H K E E (928)

FIG 9